

MEVT How to fill manifold specifications sheet (Ver. 2)

● Example of manifold model No.

MEVT 500 - 1 C4 - T9DAR - 12 - U - 3 - P70

Model No. **A** Pressure control range **B** Input control signal **C** Port size **D** Electric/supply and exhaust block **F** Station No. **G** DIN rail mounting direction **H** Voltage **I** Clean room specifications

Part name	Model No.	Layout position																															Quantity			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
EVT	EVT 500 - 1 C4 - P70	○	○	○	○			○	○	○	○		○	○	○																					12
	EVT - P70																																			
	EVT - P70																																			
	EVT - P70																																			
Electric/supply and exhaust block	EVT-T 9DA R - C4							○					○																						3	
End block	EVT-EL-P70 (for left side)	○																																	1	
	EVT-ER-P70 (for right side)																																		1	
DIN rail	L ₂ = []	Accessories		Blanking plug								Silencer																								
		GWP4-B				GWP6-B				SLW-H6																										

*1 DIN rail length (L₂)

- Find DIN rail length by the calculation shown below. The obtained length is standard.
- For standard length, length (L₂) is not required on the specification sheet. Indicate the length when using a non-standard length. Select the length based on the following DIN rail length setting table L₂.

● How to calculate length of DIN rail

$$\text{Manifold length (L}_1\text{)} = (\text{A} \times \text{n}) + (\text{B} \times \text{m}) + (\text{C} \times \text{l}) + \text{D} \times 2$$

$$\text{DIN rail length (L}_2\text{)} = \text{L}_2' \times 12.5$$

$$\text{L}_2' : \frac{\text{L}_1 + 40}{12.5} \rightarrow \text{Round up to integer}$$

$$\text{DIN rail mounting pitch (L}_3\text{)} = \text{L}_2 - 12.5$$

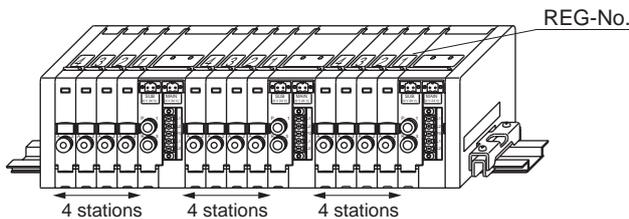
*2 Multiple combinations between the serial transmission

Multiple serial transmission types can be made and installed on the same DIN rail. (Max. station No.: 12 (T9DAR/T9GAR))

Install EVT or end block next to serial transmission slave unit.

Indicate the combination on the specification sheet.

Example) EVT: 12 stations, electric, supply and exhaust block T9DAR: 4 units x 3



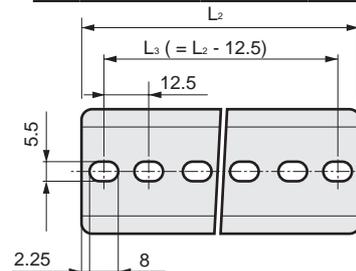
[Note]

- Viewed from piping port, layout position is assigned from left.
- Refer to the block components (pages 874 to 876) and select the model No.
- Allocation numbers 1 to 31 on the table above are for reference. As shown on the wiring cover of EVT, REG-No. is assigned as 1, 2, 3, ... per electric/supply and exhaust block from the nearest side.

n, m and l show usage per block.

n: EVT m: Electric/supply and exhaust block l: End block A/B/C/D indicates length (width) per block.

		Block width (mm)
A	EVT	14
B	Electric/supply and exhaust block	T11R 42
		T30R 42
	T9*	32
C	End block	10
D	Retainer	11.5



● DIN rail length setting table

L ₁ · Manifold length	Over 97.5 to 110 or less	Manifold length																														
		110	122.5	135	147.5	160	172.5	185	197.5	210	222.5	235	247.5	260	272.5	285	297.5	310	322.5	335	347.5	360	372.5	385	397.5	410	422.5	435				
L ₂ · Rail length	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5	375	387.5	400	412.5	425	437.5	450	462.5	475	487.5			
Pitch L ₃	125	137.5	150	162.5	175	187.5	200	212.5	225	237.5	250	262.5	275	287.5	300	312.5	325	337.5	350	362.5	375	387.5	400	412.5	425	437.5	450	462.5	475			

Note 1: When L₁ exceeds this table range, calculate according to "How to calculate DIN rail length".

MEVT manifold specifications (Ver. 2)

● Manifold model No.

MEVT - - - - - - - **P70**

Model No. **A** Pressure control range **B** Input control signal **C** Port size **D** Electric/supply and exhaust block **F** Station No. **G** DIN rail mounting direction **H** Voltage **I** Clean room specifications

Part name	Model No.	Layout position																														Quantity	
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EVT	EVT: <input type="text"/> - <input type="text"/>																																
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DIN rail	L ₂ = <input type="text"/>	Accessories		Blanking plug						Silencer																							
				GWP4-B			GWP6-B			SLW-H6																							

- Viewed from piping port, arrange positions from left.
 - REG-No. indicated on EVT wiring cover is counted as 1, 2, 3, ... from the nearest EVT for each electric and supply/exhaust block.
 - Install electric/supply and exhaust block to right face of EVT.
- Serial transmission allows left installation. Contact CKD.

SCPD3
SCM
SSD2
MDC2
SMG
LCM
LCR
LCG
LCX
STM
STG
STR2
MRL2
GRC
Cylinder Switch
MN3E MN4E
4GA/B
M4GA/B
MN4GA/B
F.R.(module unit)
Clean F.R
Precision R
Press gauge Diff. press gauge
Electro-pneumatic R
Speed controller
Auxiliary valve
Fitting/ tube
Clean air unit
Pressure sensor
Flow rate sensor
Valve for air blow
Ending